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VERMONT
AGENCY OF NATURAL RESOURCES
Vermont Geological Survey

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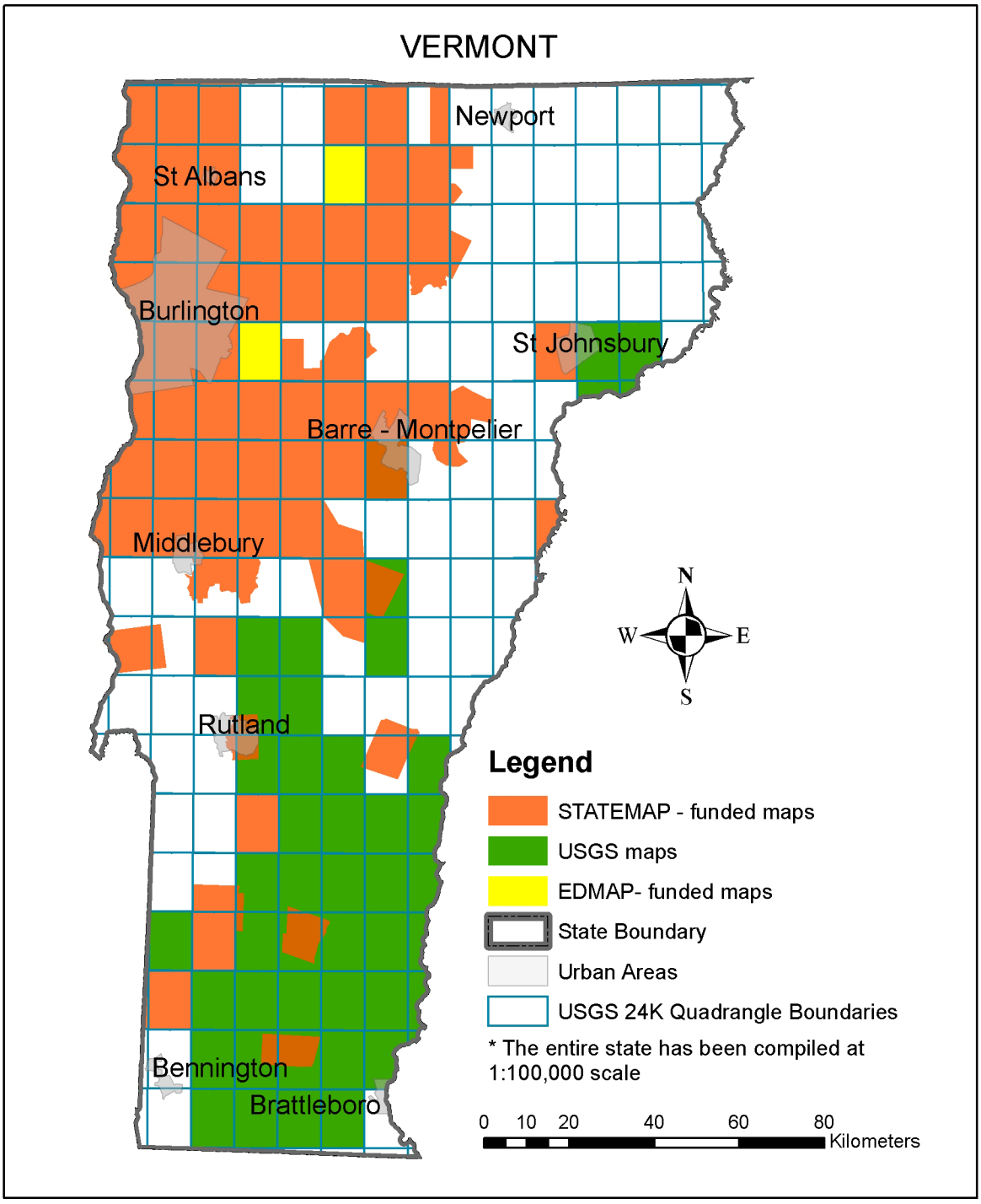

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Federal Fiscal Year	Vermont Project Title - Scale 1:24,000	State Dollars	Federal Dollars	Total Project Dollars
2006	Bedrock, Surficial & Aquifer Recharge Maps – Towns of Williston and Dorset	$90,021	$90,021	$180,042
2007	Bedrock & Surficial Maps - Knox Mountain Area and Londonderry	$82,180	$82,180	$164,360
2008	Bedrock & Surficial Maps – Towns of Charlotte and Rutland	$81,395	$81,395	$162,790
2009	Surficial & Bedrock Maps –Towns of Randolph and Craftsbury	$79,035	$79,035	$158,070
2010	Surficial& Bedrock Maps – Plainfield Quadrangle and Dover Town	$84,680	$84,680	$169,360

As a Division in the Department of Environmental Conservation, the Vermont Geological Survey (VGS) is guided by the mission to protect human health and safety. The VGS has been involved in mapping projects funded through Statemap and Cogeomap for over 25 years. The 1:24,000 scale bedrock maps became the data source for the 1:100,000 scale Bedrock Geologic Map of Vermont (in review). In recent years, the VGS has focused on public service mapping - bringing our science to bear on solutions to Vermont's environmental problems and public health issues. Bedrock and surficial maps have been used to address such issues as radioactivity, arsenic and other elements in groundwater, groundwater recharge potential and to mitigate landslide and rockfall hazards. The VGS seeks to involve communities at a grassroots level, address issues specific to town and state needs, and focus on two major issues in Vermont – groundwater and hazards. To match state resources, STATEMAP is a valuable cooperative program. Maps, presentations from professional meetings, and other publications are posted on the VGS web site for easy access by Vermont communities.

To enhance the application of funded basic mapping, the VGS samples and analyzes groundwater and conducts detailed fracture studies. Water well data is integrated with basic maps to generate hydrogeologic interpretations of map data. Surficial and bedrock maps have recently been used to evaluate landslides and rockfalls at Smugglers Notch, Jeffersonville, and Waitsfield, Vermont. Basic maps are being used to investigate groundwater recharge areas and water supply in several Vermont towns.

Recently released open file reports:
VG2009-1: Gale, M., Kim, J., Earle, H., Clark, A., Smith, T., and Petersen, K., 2009, Bedrock Geology of Charlotte, Vermont.
VG2009-2: Springston, G. and Wright, S., 2009, Surficial Geology of Charlotte, Vermont.
VG09-3: De Simone, D. and Gale, M., 2009, Surficial geology and hydrogeology of Dorset, Vermont.
VG2009-4: Van Hoesen, J., 2009, Surficial Geology of Rutland, Vermont.
VG10-1: Springston, G., Gale, M., Kim, J., Wright, S., Earle, H., Clark, A., and Smith, T., 2010, Hydrogeology of Charlotte, Vermont.

June 2010